Electric Vehicles

[](https://www.bing.com/images/search?view=detailV2&ccid=JhKHL38Q&id=312ABB41BD01A25404E034DF7D9DA964A10AFAA0&thid=OIP.JhKHL38QmGuDcqu5y7W10gEsC7&mediaurl=http://www.telegraph.co.uk/content/dam/business/spark/e-on-energy-efficiency/electric-car-charging-xlarge_trans_NvBQzQNjv4Bqeo_i_u9APj8RuoebjoAHt0k9u7HhRJvuo-ZLenGRumA.jpg&exph=799&expw=1280&q=electric+vehicles&simid=607988331124296373&selectedIndex=13)

## Project description / outline:

"Are Electric Vehicles becoming more popular amongst the public?" And if so are the sales keeping up?

## research questions to answer:

- Are Electric Vehicles becoming more popular amongst the public? Which Brands specifically?

- Are the sales keeping up with EV production

- what years did we see the greatest increase in EV purchases

- How has the public sentiment changed towards electrical vehicle brands v traditional?

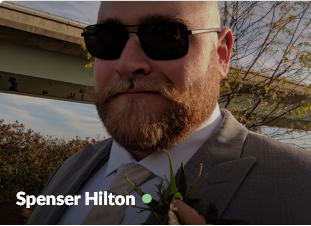
- how has the rate of change in sales varied the rate of change in sentiment

- are the sales numbers increasing rapidly, year-by-year, and is sentiment changing more rapidly

## data sets to be used

* http://[www.ev-volumes.com/](http://www.ev-volumes.com/)
* <https://insideevs.com/monthly-plug-in-sales-scorecard/>
* http://cars.com
* http://www.carqueryapi.com/
* https://vpic.nhtsa.dot.gov/api
* https://www.programmableweb.com/api/carscom-dealer-metrics
* http://www.carqueryapi.com/download

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## work breakdown structure:

|  |  |
| --- | --- |
| **Activity** | **Resource** |
| Convert Sales Figures into Worksheet | Anuradha |
| Pandas manipulation and cleaning | Spenser,  Anuradha,  Anu |
| Sentiment Analysis | Sean |
| Creating Reports, Charts | Anu |